

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,000,870 B2
APPLICATION NO. : 10/693411
DATED : February 21, 2006
INVENTOR(S) : Richard R. Tracy, James D. Chase and Ilan Kroo

Page 1 of 7

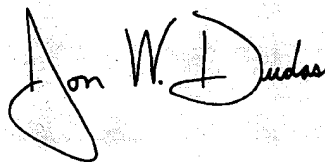
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page should be deleted and replaced with the attached title page.

Delete drawing sheets 1-5, consisting of Figs 1-8 and replace with the attached drawing sheets.

Signed and Sealed this

Twenty-seventh Day of June, 2006

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large, looped initial "J" and a distinct "D".

JON W. DUDAS
Director of the United States Patent and Trademark Office

(12) **United States Patent**
Tracy et al.

(10) Patent No.: **US 7,000,870 B2**
(45) Date of Patent: **Feb. 21, 2006**

(54) **LAMINAR FLOW WING FOR TRANSONIC CRUISE**

(56) **References Cited**

(75) Inventors: **Richard R. Tracy**, Carson City, NV (US); **James D. Chase**, Reno, NV (US); **Ilan Kroo**, Stanford, CA (US)
(73) Assignee: **Aerion Corporation**, Reno, NV (US)
(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 187 days.

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(21) Appl. No.: **10/693,411**

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(22) Filed: **Oct. 23, 2003**

Primary Examiner—Peter M. Poon
Assistant Examiner—Timothy D. Collins

(65) **Prior Publication Data**

(74) *Attorney, Agent, or Firm*—William W. Haeffliger

US 2004/0129837 A1 Jul. 8, 2004

Related U.S. Application Data

(57) **ABSTRACT**

(60) Provisional application No. 60/424,039, filed on Nov. 7, 2002.

In combination, an aircraft wing and fuselage, comprising the wing having camber at or near the wing leading edge which has blunted sharpness and low sweep angle, and the fuselage having indentation along the wing side thereof, and lengthwise of the fuselage.

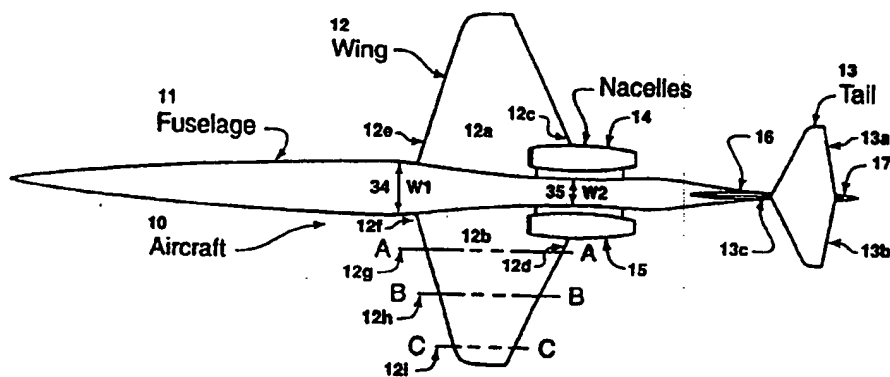
(51) Int. Cl. **B64C 1/38** (2006.01)

(52) U.S. Cl. 244/130; 244/35 A; 244/204

(58) Field of Classification Search 244/130, 244/36, 35 A, 35 R, 204, 45 R, 218

See application file for complete search history.

15 Claims, 5 Drawing Sheets



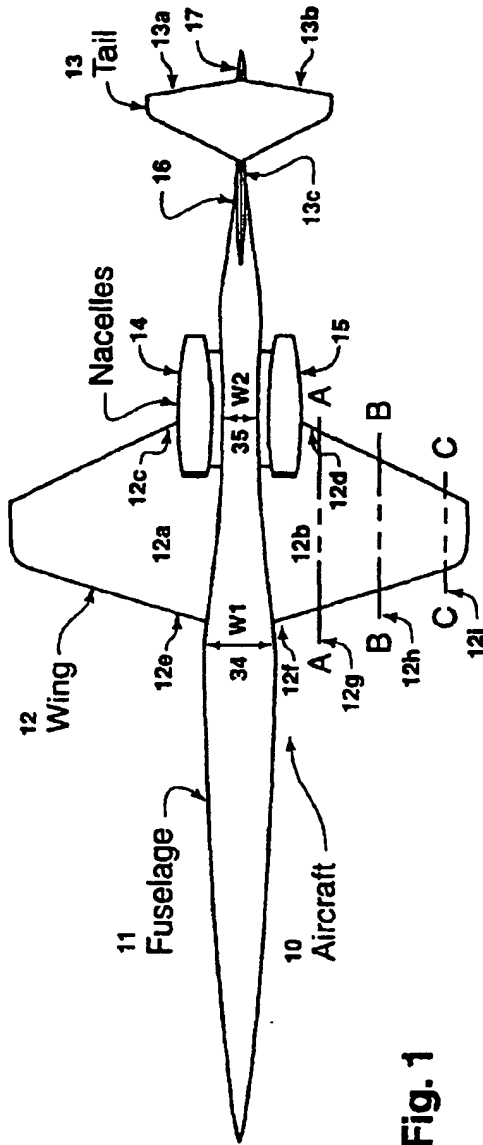


Fig. 1

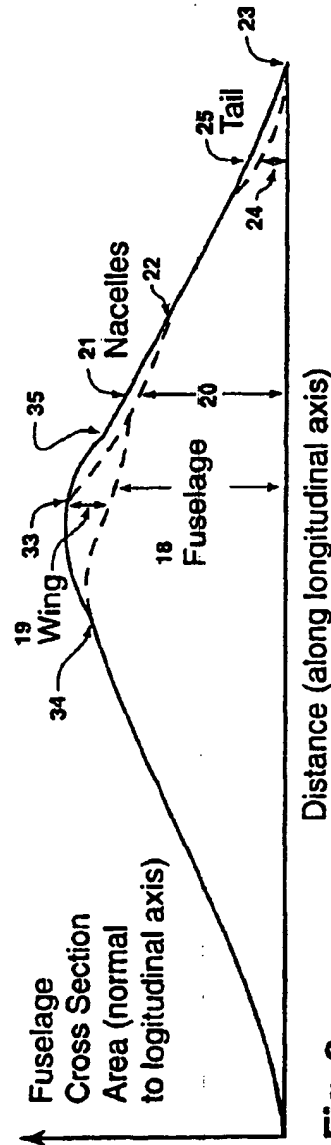
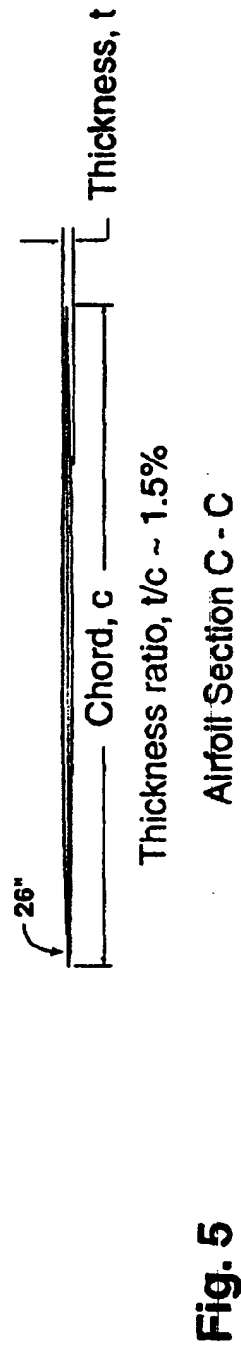
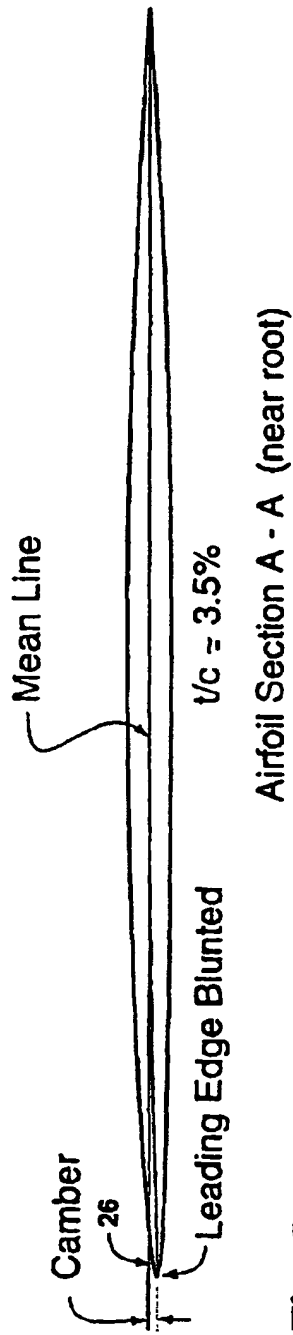


Fig. 2



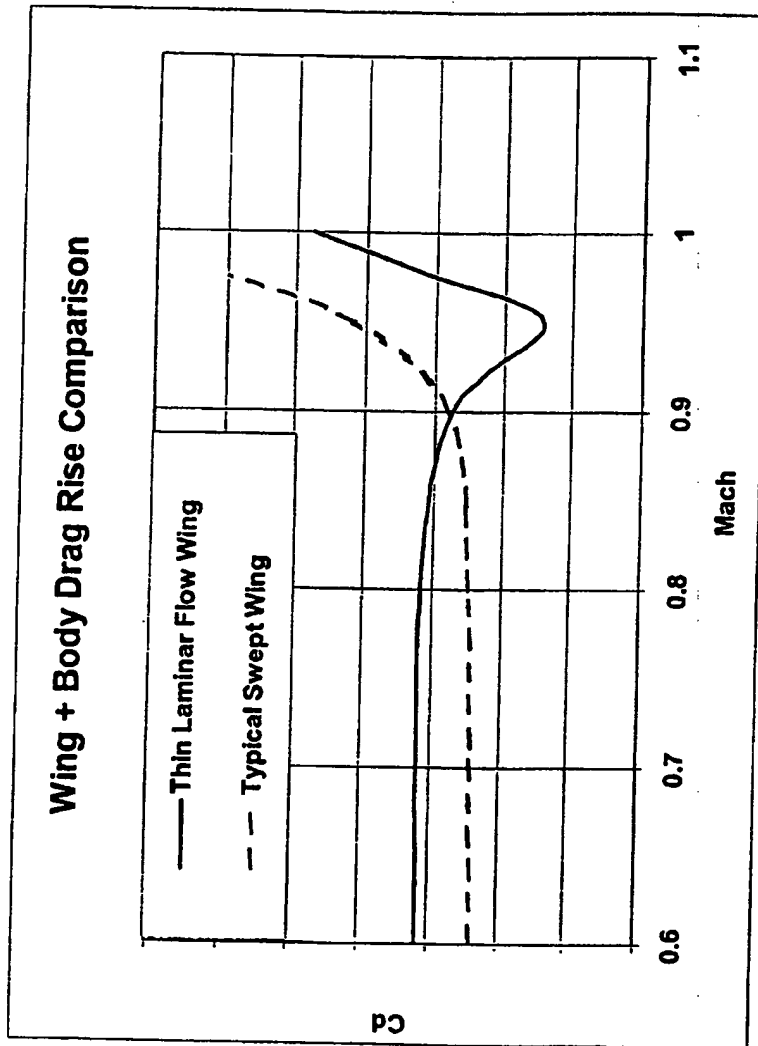


Fig. 6

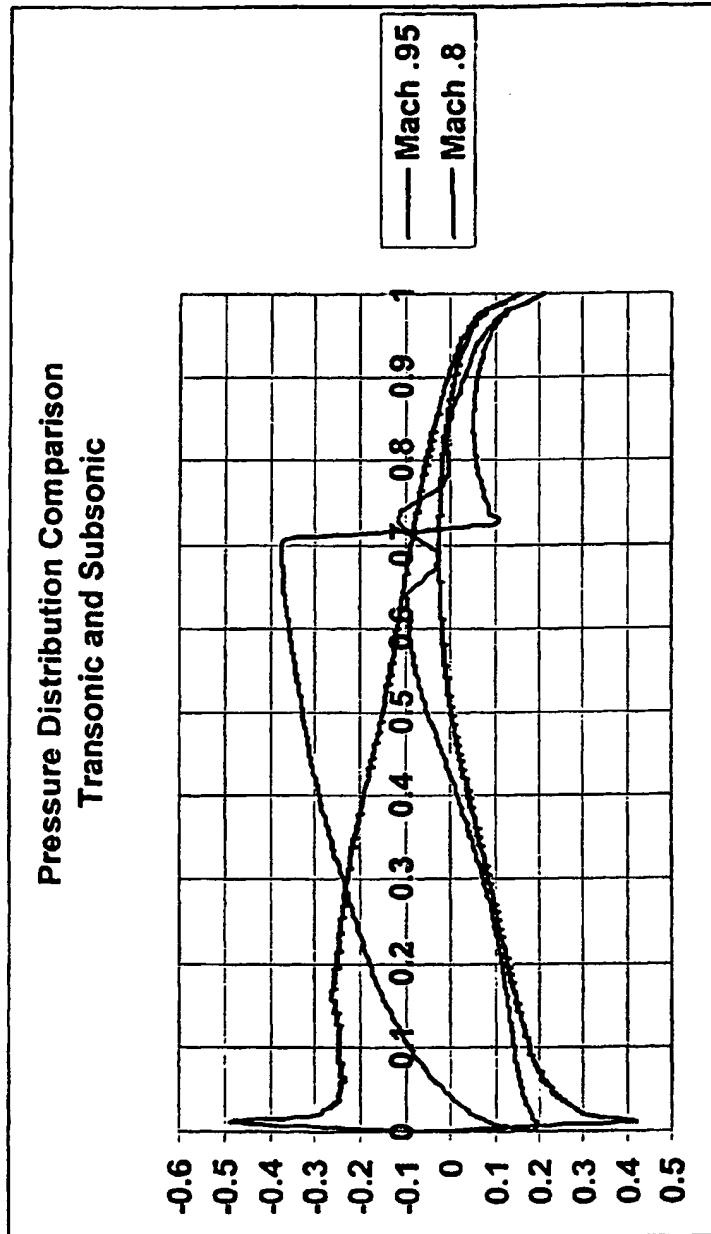


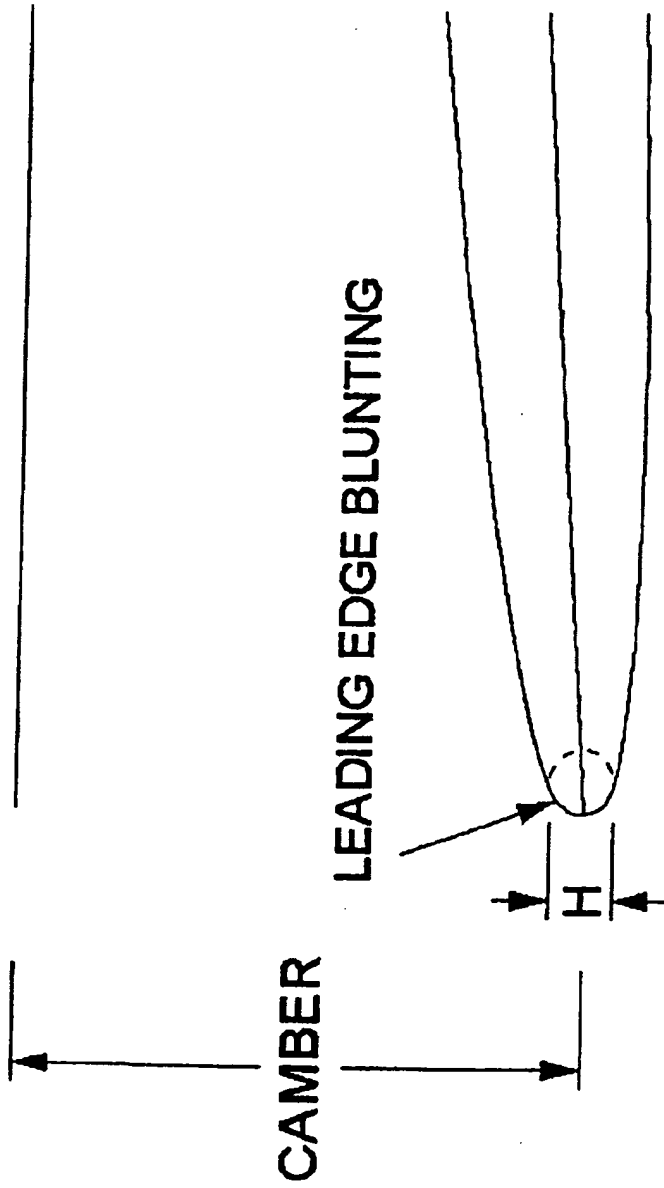
Fig. 7

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Detail of Leading Edge of Fig. 3

Fig. 8